



- Impact sound insulation made out of wood fibre
- Insulation for concrete or timber floors
- Suitable for dry or wet screeds
- Quick and easy to lay
- Environment friendly, recyclable

Application area



- Impact sound and thermal insulation board under dry and wet screed systems

Fields of application according to DIN 4108 - 10: 2021

- DEO (dk, dg, dm)
- DES (sh, sm, sg)

Technical data

Produced and supervised according to	EN 13171
Board designation	thick 20 mm: WF – EN 13171 – T7 – SD50 – CP2; thick 30 mm: WF – EN 13171 – T7 – SD30 – CP2
Fire class (RTF) according to EN 13501-1	E
Permanent temperature range [°C]	≤100
Declared thermal conductivity [W/(m*K)]	0.038
Density [kg/m ³]	approx. 150
Water vapour diffusion resistance factor μ	5
Specific heat capacity [J/(kg*K)]	2,100
Dynamic stiffness [MN/m ³]	50(20mm) / 30(30mm)
Manufacturing process	wet process / utilisation of the wood's own lignin for panel bonding
Ingredients	Wood fibre, bond between layers, aluminium sulphate
European Waste Code (EWC)	030105/170201, disposal as wood and wood-based materials, waste wood category A II
Declared level of airflow resistance [(kPa*s)/m ²]	≥100
Compressibility with payload ≤ 5 kPa [mm]	≤ 2, CP2
Bonded carbon [kg CO ₂ equivalent./m ³]	270

Additional technical data

Thickness [mm]	Declared thermal resistance [(m ² *K)/W]	s _d value [m]
20	0.50	0.10

Forms of delivery

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Number/pal. [pcs.]	Coverage/pal. gross [m ²]
20	SE	1150	595	116	79.373

Weight and packing

Handy formats, e.g. for construction site assembly

Thickness [mm]	Edge profile	Length [mm]	Width [mm]	Weight/m ² [kg]	Weight/pcs. [kg]	pac./pal. paper/cardboard (approx) [kg]	pac./pal. plastic (approx) [kg]	pac./pal. wood (approx) [kg]	Weight./pal. (approx.) [kg]
20	SE	1150	595	3.20	2.2	0.10	1.0	18.0	280

Notes

Storage

- Store wood fibre boards horizontally, flat and dry
- Protect edges from damage
- Only remove the film packaging when the ambient climate is dry and keep the pallet packing label
- Maximum stacking height: 2 pallets

Disposal

- Disposal of offcuts: Waste code (EWC / AVV) 170201/030105, disposal as wood and wood-based materials, waste wood category II
- Disposal after dismantling: Waste code (EWC / AVV) 170201/030105, disposal as wood and wood-based materials, waste wood category II

Cutting

- The boards can be cut to size using the STEICO*isoflex cut combi* cutting table or a band saw, circular saw, jigsaw and other wood-cutting tools.

Occupational health and safety

- Comply with local regulations for the processing of wood-fibre material
- Suitable protective measures must be taken when cutting the wood fibre insulation boards. (dust extraction, dust mask)

Building moisture

- Excess moisture caused by e.g. fresh screed, plaster, or paint must be removed by ventilation.
- Dry air must be provided inside the building during the construction phase.
- Additional measures, such as the installation of drying equipment during the construction phase, are recommended

Installation

Processing in floor systems

- When laying on mineral substrates, a separating layer is recommended. This protects the STEICO*therm SD* from rising residual moisture.
- Installation on full-surface substrate
- STEICO*therm SD* must be laid in a bond. (min. offset 250 mm)
- Maintain edge distances (STEICO*soundstrip*)
- When used in combination with wet screed, a separating layer must be planned.
- The local fire protection requirements must be observed in the area of the chimney and heating systems. (Observe clearances)
- This document is based on the German technical data sheet and is intended for general information purposes in an international context. National regulations and building codes must be additionally observed.

Certificates and quality management



☰ Caption

Fields of application

Ceiling, Roof

DEO Inside insulation of the ceiling (on the top) under screed without noise protection requirements

DES Inside insulation of the ceiling or floor slab (on the top) under screed with sound insulation requirements

Differentiation of certain product features:

Pressure resistance

- dk** No compressive strength
- dg** Low compressive strength
- dm** Medium compressive strength

Acoustic properties

- sk** No requirements for acoustic properties
- sh** Impact sound insulation, increased compressibility
- sm** Impact sound insulation, medium compressibility
- sg** Impact sound insulation, low compressibility

other abbreviations

- pal.** Pallet
- T&G** Tongue and Groove
- pac.** Packaging
- approx.** Approximately
- SE** square edge
- Pcs.** Pieces